

### CLAIMS

Now, therefore, the following is claimed:

1           1.       A system for supporting wireless communication equipment, comprising:  
2           a foundation;  
3           a guyed tower fixedly attached to said foundation; and  
4           a pole tower fixedly attached to said foundation and extending through a middle region  
5 of said guyed tower.

1           2.       The system of claim 1, wherein said pole tower is separated from an inner  
2 periphery of said guyed tower by about one-quarter of an inch.

1           3.       The system of claim 1, wherein said pole tower is fixedly attached to said  
2 guyed tower.

1           4.       The system of claim 1, further comprising communication equipment attached  
2 to said pole tower.

1           5.       The system of claim 1, wherein said pole tower is sectional.

1           6.       The system of claim 1, wherein said pole tower is hollow.

1           7.       The system of claim 1, wherein said guyed tower is comprised of at least two  
2 joined guyed tower sections, and wherein said pole tower is fixedly attached to said guyed  
3 tower at a midpoint of one of said sections.

1           8.       The system of claim 1, wherein said guyed tower is comprised of at least two  
2 joined guyed tower sections, and wherein said pole tower is fixedly attached to said guyed  
3 tower at an interface between said guyed tower sections.

1           9.       The system of claim 1, wherein said guyed tower has a bottom end and a top  
2 end opposite of said bottom end, said bottom end fixedly attached to said foundation, and  
3 wherein said pole tower extends from said foundation to said top end of said guyed tower.

1           10.      The system of claim 9, wherein said top end of said pole tower extends through  
2 said top end of said guyed tower, said top end of said pole tower having communication  
3 equipment mounted thereto at a point above said top end of said guyed tower.

1           11.      A system for supporting wireless transmission equipment, comprising:  
2 a foundation;  
3 a guyed tower fixedly attached to said foundation; and  
4 a means for absorbing bending moments that act on said guyed tower, said absorbing  
5 means fixedly attached to said foundation and extending through a middle region of said  
6 guyed tower.

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1           23.     The method of claim 20, wherein said guyed tower is comprised of at least two  
2 joined guyed tower sections, and wherein said method further comprises the step of:  
3           fixedly attaching said pole tower to said guyed tower at a midpoint of one of said  
4 sections.

1           24.     The method of claim 20, wherein said guyed tower is comprised of at least two  
2 joined guyed tower sections, and wherein said method further comprises the step of:  
3           fixedly attaching said pole tower to said guyed tower at an interface between said  
4 guyed tower sections.

1           25.     The method of claim 20, wherein said guyed tower has a bottom end and a top  
2 end opposite of said bottom end, said bottom end fixedly attached to said foundation, and  
3 wherein said erected pole tower extends from said foundation to said top end of said guyed  
4 tower.

1           26.     The method of claim 25, wherein said erected pole tower extends through said  
2 top end of said guyed tower, said method further comprising the step of:  
3           attaching communication equipment to said erected pole tower at a point above said  
4 top end of said guyed tower.

1           27.     The method of claim 20, wherein said pole tower is sectional, wherein said  
2     guyed tower has a bottom end and a top end opposite of said bottom end, said bottom end  
3     fixedly attached to said foundation, and wherein said erecting step includes the steps of:

4                 lowering a bottom section of said pole tower from said top end through said guyed  
5     tower to said foundation;

6                 lowering another section of said pole tower from said top end through said guyed  
7     tower to said bottom section; and

8                 securing said bottom section to said other section.

1           28.     The method of claim 27, wherein said securing step includes the step of  
2     inserting a portion of said bottom section into a hollow region of said other section.

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